

INDEX TO VOLUME 28, 1980

AUTHOR INDEX

- Adams, L. G. 172
Aitken, M. M. 250
Amin, M. M. 96
Andrewartha, K. A. 101
Anosa, V. O. 151
Appleby, R. C. 223
Arakawa, A. 80
Ashton, R. J. 386
Austin, R. A. 128
- Backhouse, J. W. 393
Batty, I. 362
Bellenger, C.R. 382
Bennett, A. M. 6
Bergman, R. 315
Boyd, R. 336
Bottomly, K. 25
Briggs, M. H. 199
Briscoe, M. G. 263, 391
Brothwell, E. 161
Brown, C. G. D. 132
Brownlie, J. 128
Burrell, D. H. 51, 190, 234
Butler, E. J. 44, 217
- Canfield, P. J. 6
Caple, I. W. 101
Chaiyabutr, N. 291
Chapman, D. I. 55
Chapman, N. G. 55
Charley, B. 380
Chineme, C. N. 112
Coles, G. C. 263, 391
Collins, R. A. 373
Coop, R. L. 63, 71
Corrier, D. E. 172
Cox, J. C. 396
Cunningham, M. P. 132
Curtis, M. J. 44, 123, 217
- Dargie, J. D. 105
Dolan, T. T. 132
Durham, P. J. K. 256
- Eakin, M. A. 263
Edington, N. 384
Eysker, M. 58
- Farmer, A. M. T. 87
Faulkner, A. 291
- Fernie, D. S. 362
Flack, I. H. 123
Forsyth, B. A. 263
Fraser, A. J. 321
Freeman, B. M. 389
Frenove, B. 380
Frigg, M. 17
Frost, A. J. 238, 368
- Gooneratne, S. R. 351
Gorski, J. 178
Gourlay, R. N. 223, 242
Gow, A. 256
Gray, A. R. 336
Griffiths, R. G. 275
Guy, P. S. 137
- Halliday, R. 76
Hambrey, P. 178
Hammond, J. A. 377
Harkness, J. W. 267
Haroun, E. M. 377
Harrop, B. M. 321
Harvey, S. 123
Heaton, A. 302
Hill, R. 161, 330
Hopwood, P. R. 382
Howard, C. J. 242
Howell, J. McC. 351
Hughes, D. L. 250
Humphreys, D. J. 330
Hussein, M. F. 105
- Ibrahim, I. 330
Ilkiw, J. E. 393
Isoun, T. T. 151
- Jain, N. C. 25
Jenkins, H. G. 44
Jessett, D. M. 228
Johnstone, P. D. 261
Jones, J. E. T. 281
Jones, P. W. 250
Jordan, F. T. W. 96
Jordan, J. W. 1
- Kent, J. E. 55
Kirk, J. A. 321
Knight, D. J. 386
Kono, C. S. 25
- Lawson, G. H. K. 145, 148
Le Du, Y. L. P. 128
Little, D. A. 258
Lorenz, R. J. 10
Losos, G. J. 264
- McAllum, H. J. F. 261
McCullagh, K. G. 302
Mackintosh, M. E. 362
Mahmoud, M. M. 336
Marshall, V. M. 116
Mathers, W. J. 238, 368
Mellors, A. 178
Miller, W. M. 267
Mirghani, T. 207
Mittal, K. R. 203, 311
Moss, B. W. 1
Musa, M. T. 207
Mushi, E. Z. 264
Mutimer, M. D. 87
Myers, A. 25
- Nelson, G. S. 105
Nielsen, K. 203
Nuttall, P. A. 91
Nwude, N. 112
- O'Boyle, D. A. 238, 368
Ogunsusi, R. A. 58
Olowookorun, M. O. 254
- Peaker, M. 291
Petrie, L. 325
Philips, S. M. 116
Pickering, E. C. 347
Platt, H. 362
Plowright, W. 384
Poole, W. S. H. 256
Pritchard, D. G. 267
- Reid, I. M. 373
Reid, J. F. S. 134
Reid, T. C. 261
Reiter, B. 116
Richards, M. S. 267
Roberts, L. 145, 148
Robinson, M. G. 71
Rose, R. J. 393
Ross, J. 396
Rossiter, P. B. 228

Rowland, A. C. 145, 148
Rurangirwa, F. R. 264
Rushton, B. 63
Russell, P. H. 39

Saad, A. M. 105
Sampson, D. 393
Samson, D. E. 275
Samuel, J. L. 238, 368
Sandholm, M. 341
Saror, D. I. 36, 130
Sewell, M. M. H. 377
Sheppard, J. 178
Shigidi, M. T. A. 207
Shortridge, K. F. 296
Simpkin, K. G. 391
Simpson, D. J. 362
Slee, J. 275

Smith, I. M. 161
Snow, D. H. 137
Spencer, A. 325
Stodulski, J. B. J. 330
Stott, E. J. 91
Straub, O. C. 10
Sykes, A. R. 63, 71

Tabel, H. 264
Takagi, H. 80
Taylor, G. 242
Taylor, M. G. 105
Thain, J. A. 212
Thomas, L. H. 91
Thomas, R. J. 134
Thompson, K. G. 321
Timoney, P. J. 195
Tizard, I. R. 178, 203, 264, 311

Torhorst, J. 17

Waghela, S. 168
Wagner, G. G. 168
Walker, P. D. 362
Wandera, J. G. 168
Wardley, R. C. 185
Watson, A. D. J. 6
Westermarck, E. 341
Whitehead, D. C. 128
Wilesmith, J. W. 10
Wilkinson, P. J. 185
Williams, I. F. 302
Williams, J. D. 172
Williams, J. H. 347
Williams, M. R. 76
Wiseman, A. 325
Woolcock, J. B. 87

SUBJECT INDEX

- Abomasum, calf, Antibiotic activity of the lactoperoxidase-thiocyanate-hydrogen peroxide system in 116
- Acid-base, blood gas and metabolic parameters in horses, Changes in, during three-day event competition 393
- African swine fever virus infection, Lymphocyte responses to 185
- Antibiotic activity of the lactoperoxidase-thiocyanate-hydrogen peroxide system in the calf abomasum 116
- Antigens of and antibodies to malignant catarrhal fever virus, A complement fixation test for 228
- Auditory tube, canine, Cannulation of 380
- Aujeszky's disease virus, Survival of, in frozen pig meat 256
- BCG, The effect of immunisation with, on *Theileria parva* infection in cattle 132
- Biopsies, Large intestinal, from normal dogs 6
- Biotin-deficient chicks, Histological and cytological alterations in the skin of 17
- Blood flow in the various compartments of the goat stomach 254
- Blood gas, acid-base and metabolic parameters in horses, Changes in, during three-day event competition 393
- Blood serum of cows and calves in the perinatal period, The influence of dietary iodine on iodine in 128
- Bovine leucosis virus infection in a large dairy herd, Some observations on the epidemiology of 10
- Brucella abortus* and *Yersinia enterocolitica* IX agglutinins in naturally infected animals, Studies on the relationship between 311
- Brucellosis, caprine, Comparison of four serological tests in the diagnosis of 168
- Caeruloplasmin, Response of, to *Escherichia coli* endotoxins and adrenal hormones in the domestic fowl 217
- Campylobacter sputorum* subspecies *mucosalis*, The experimental infection of neonatal pigs with 145
- Campylobacter sputorum* subspecies *mucosalis*, The experimental infection of pigs with. Weaned pigs, with special reference to pharmacologically mediated hypomotility 148
- Cannulation of the canine auditory tube 380
- Cell morphology and collagen types in equine tendon scar 302
- Collagen types and cell morphology in equine tendon scar 302
- Contagious equine metritis, Observations on vaccine and post-infection immunity in 362
- Copper—Creatine kinase release and muscle changes in chronic copper poisoning in sheep 351
- Copper—Liver copper concentrations in red deer (*Cervus elaphus*) and (*C. canadensis*) in New Zealand 261
- Copper, nutritional, Effects of changes in, on erythrocyte superoxide dismutase activity in sheep 101
- Corticosterone and growth hormone, concentrations of, in the plasma of the domestic fowl, The effect of *Escherichia coli* endotoxins on 123
- Corynebacterium equi*, Epidemiology of, in horses 87
- Corynebacterium ovis* antitoxin, A simplified double immunodiffusion technique for detection of 234
- Corynebacterium ovis* exotoxin, A haemolysis inhibition test for detection of antibody to 190
- Corynebacterium ovis* exotoxin, *In vitro* direct haemagglutination by 51
- Creatine kinase release and muscle changes in chronic copper poisoning in sheep 351
- Cryopreservation, Routine, of ruminant nematode larvae 391
- Deer—Liver copper concentrations in red deer (*Cervus elaphus*) and (*C. canadensis*) in New Zealand 261
- Deer, red (*Cervus elaphus*), Serum constituents of 55
- Diarrhoea—Experimental infection of calves with two strains of bovine virus diarrhoea virus: virus recovery and clinical reactions 91
- Encephalitozoon cuniculi* infection, A serological survey of, on the wild rabbit in England and Scotland 396
- Endocardial lesions in pigs, Observations on 281
- Enzymes—The effect of *Escherichia coli* endotoxins and adrenocortical hormones, on plasma enzyme activities in the domestic fowl 44
- Epidemiological studies of calf respiratory disease in a large commercial veal unit 267
- Erythrocyte superoxide dismutase activity in sheep, Effects of changes in nutritional copper on 101
- Erythrocytes, Fusiform, resembling sickle cells in angora goats: observations on osmotic and mechanical fragilities and reversal of cell shape during anaemia 25
- Erythrophleum guineense* Don, Investigations into the toxicity of the leaves of, in sheep 112
- Escherichia coli* endotoxins and adrenal hormones in the domestic fowl, Response of caeruloplasmin to 217
- Escherichia coli* endotoxins and adrenocortical hormones, The effect of, on plasma enzyme activities in the domestic fowl 44
- Escherichia coli* endotoxins, The effect of, on the concentrations of corticosterone and growth hormone in the plasma of the domestic fowl 123
- Faecal hydrolase activity as determined by radial enzyme diffusion: a new method for detecting pancreatic dysfunction in the dog 341

- Fasciola hepatica*, A potent new salicylanilide effective against 263
- Fasciola hepatica* infection, Effects of, on responses of rates to reinfection with *Salmonella dublin* 250
- Fasciola hepatica*, Resistance to, in rats and rabbits following sensitising infection and treatment 377
- Fascioliasis, Chronic subclinical, in sheep: effects on food intake, food utilisation and blood constituents 63
- Fascioliasis, Chronic subclinical ovine: plasma glutamate dehydrogenase, gamma-glutamyl transpeptidase and aspartate aminotransferase activities and their significance as diagnostic aids 71
- Glomerulonephritis, The nephrotic syndrome in a heifer due to 325
- Glucagon: a stress hormone in the domestic fowl 389
- Glutathione peroxidase activity in bovine serum and erythrocytes in relation to selenium concentrations of blood, serum and liver 321
- Growth, Observations on phosphorus requirements of cattle for 258
- Haemolysis inhibition test for detection of antibody to *Corynebacterium ovis* exotoxin 190
- Helminthiasis, gastrointestinal, of sheep in northern Nigeria during the rainy season, Observations on the epidemiological and clinical aspects of 58
- Herpesvirus of malignant catarrhal fever, The protection of rabbits against, by inactivated vaccines 382
- Hydrochloric acid, Effects of an intravenous infusion of, on renal function in sheep 347
- Hypothermia in newborn lambs induced by experimental immersion in a water bath and by natural exposure outdoors 275
- Imidocarb dipropionate in cattle, A study of toxicity of 172
- Immunoconglutinin responses, Depressed, in calves experimentally infected with *Trypanosoma congolense* 203
- Immunoglobulins—The relationship between serum immunoglobulin levels and specific antibody production in cows 76
- Interferon—Induction of circulating interferon in calves with three different types of double stranded ribonucleic acid 386
- Intestines—Large intestinal biopsies from normal dogs 6
- Iodine in the blood serum of cows and calves in the perinatal period, The influence of dietary iodine on 128
- Iron, serum, and iron-binding capacity in zebu cattle, Variations with age in 130
- Iron—The effects of added dietary iron in various forms on mice inoculated with *Salmonella typhimurium* 161
- Lactating goats, Effects of starvation on the cardiovascular system, water balance and milk secretion in goats 291
- Lactoperoxidase-thiocyanate-hydrogen peroxide system in the calf abomasum, Antibiotic activity of 116
- Leucosis—Some observations on the epidemiology of bovine leucosis virus infection in a large dairy herd 10
- Liver—A correlated biochemical and stereological study of periparturient fatty liver in the dairy cow 373
- Liver cell damage in laying fowl given a diet containing 20 per cent of rapeseed meal, Plasma enzyme activities indicative of 330
- Liver copper concentrations in red deer (*Cervus elaphus*) and (*C. canadensis*) in New Zealand 261
- Louping ill infection, Evaluation of the double immunodiffusion test for the diagnosis of 195
- Lymphocyte responses to African swine fever virus infection 185
- Macrophages, swine alveolar, Fc and C₃ receptors of 380
- Malignant catarrhal fever of rabbits and cattle, The *in vitro* response to phytohaemagglutinin during 39
- Malignant catarrhal fever, The protection of rabbits against the herpesvirus of, by inactivated vaccines 382
- Malignant catarrhal fever virus, A complement fixation test for antigens of and antibodies to 228
- Meat, frozen pig, Survival of Aujeszky's disease virus in 256
- Microantiglobulin test, An evaluation of, in monitoring experimental salmonella group C infections in chickens 212
- Muscle changes and creatine kinase release in chronic copper poisoning in sheep 351
- Muscle fibre type composition of a number of limb muscles in different types of horse 137
- Mycobacterium avium* strain, Cell-mediated immune response in pigs persistently infected with 315
- Mycoplasma bovis* infections of the respiratory tract of calves, Immunity to 242
- Mycoplasma gallisepticum* 1RF, The growth and cilia-stopping effect of, in chicken tracheal organ cultures 80
- Mycoplasma* infections, A survey of, in domestic poultry 96
- Mycoplasmas and viruses, Examination of uterine biopsies from infertile cows for the presence of 223
- Nematode larvae, ruminant, Routine cryopreservation of 391
- Nematodirus battus* and inhibited stages of sheep nematodes, Efficacy of oxfendazole against 134
- Nephrotic syndrome in a heifer due to glomerulonephritis 325
- Nocardia farcinica* isolated from cattle with bovine farcy, Characterisation of 207
- Ortho- and paramyxoviruses, Isolation of, from domestic poultry in Hong Kong between November 1977 and October 1978 and comparison with isolations made in the preceding two years 296

- Oxfendazole, Efficacy of, against *Nematodirus battus* and inhibited stages of sheep nematodes 134
- Pancreatic dysfunction—Faecal hydrolase activity as determined by radial enzyme diffusion: a new method for detecting pancreatic dysfunction in the dog 341
- Paramyxoviruses—Isolation of ortho- and paramyxoviruses from domestic poultry in Hong Kong between November 1977 and October 1978 and comparison with isolations made in the preceding two years 296
- Phosphorus requirements of cattle for growth, Observations on 258
- Phytohaemagglutinin, The *in vitro* response to, during malignant catarrhal fever of rabbits and cattle 39
- Plasma enzyme activities indicative of liver cell damage in laying fowl given a diet containing 20 per cent of rapeseed meal 330
- Progestogens and mammary tumours in the beagle bitch 199
- Rabbits, The protection of, against the herpesvirus of malignant catarrhal fever by inactivated vaccines 382
- Rapeseed meal, Plasma enzyme activities indicative of liver cell damage in laying fowl given a diet containing 20 per cent of 330
- Renal function in sheep, Effects of an intravenous infusion of hydrochloric acid on 347
- Respiratory disease, calf, in a large commercial veal unit, Epidemiological studies of 267
- Respiratory tract of calves, Immunity to *Mycoplasma bovis* infections of 242
- Ribonucleic acid, double stranded, Induction of circulating interferon in calves with three different types of 386
- Rinderpest virus vaccine, live, The effect of *Trypanosoma congolense* and *T. vivax* infections on the antibody response of cattle to 264
- Salicylanilide—A potent new salicylanilide effective against *Fasciola hepatica* 263
- Salmonella—An evaluation of the microantiglobulin test in monitoring experimental salmonella group C infections in chickens 212
- Salmonella*, Distribution of, in the carcasses of normal cattle at slaughter 368
- Salmonella dublin*, Effects of *Fasciola hepatica* infection on responses of rats to reinfection with 250
- Salmonella*, Isolation of, from mesenteric lymph nodes of healthy cattle at slaughter 238
- Salmonella typhimurium*, The effects of added dietary iron in various forms on mice inoculated with 161
- Scar, equine tendon, Cell morphology and collagen types in 302
- Schistosoma bovis* in calves: the development and clinical pathology of primary infections 105
- Selenium concentrations of blood, serum and liver, Glutathione peroxidase activity in bovine serum and erythrocytes in relation to 321
- Serum constituents of red deer (*Cervus elaphus*) 55
- Serum iron and iron-binding capacity in zebu cattle, Variations with age in 130
- Skin of biotin-deficient chicks, Histological and cytological alterations in the skin of 17
- Starvation, Effects of, on the cardiovascular system, water balance and milk secretion in lactating goats 291
- Stomach, goat, Blood flow in the various compartments of 254
- Stress—Glucagon: a stress hormone in the domestic fowl 389
- Tendon scar, equine, Cell morphology and collagen types in 302
- Testicular pathology of *Trypanosoma vivax* infection of sheep and goats, Further observations on 151
- Theileria parva* infection in cattle, The effect of immunisation with BCG on 132
- Thyroxine excretion, urinary, by young pigs, Preliminary investigation of 1
- Toxicity of imidocarb dipropionate in cattle, A study of 172
- Toxicity of the leaves of *Erythrophleum guineense* Don. in sheep, Investigations into 112
- Trypanosoma congolense* and *T. vivax* infections, The effect of, on the antibody response of cattle to live rinderpest virus vaccine 264
- Trypanosoma congolense*, Depressed immunoconglutinin responses in calves experimentally infected with 203
- Trypanosoma evansi*, Changes in the levels of some serum enzymes in dromedary camels infected with 336
- Trypanosoma theileri* *in vitro*, Studies on the generation of biologically active substances by 178
- Trypanosoma vivax* in Red Sokoto goats, Observations on the course and pathology of 36
- Trypanosoma vivax* infection of sheep and goats, Further observations on the testicular pathology of 151
- Tumours, mammary, and Progestogens in the beagle bitch 199
- Urinary thyroxine excretion by young pigs, Preliminary investigation of 1
- Uterine biopsies from infertile cows, Examination of, for the presence of viruses and mycoplasmas 223
- Viruses and mycoplasmas, Examination of uterine biopsies from infertile cows for the presence of 223
- Yersinia enterocolitica* IX and *Brucella abortus* agglutinins in naturally infected animals, Studies on the relationship between 311